



# hf happenings

no 486



South African Radio League 1925 - 2011 Suid-Afrikaanse Radioliga  
Member Society of the International Amateur Radio Union Region 1  
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## PEARS VHF/UHF contest to inspire contacts between divisions

The PEARs National VHF/UHF Contest will take place on 20 - 22 January 2012 and will feature SSB, CW, FM and digital modes. The first session commences on Friday at 18:00 CAT (16:00 UTC) until Saturday at 16:00 CAT (14:00 UTC). The second session starts at 16:00 CAT (14:00 UTC) until Sunday 14:00 CAT (12:00 UTC).

The main objective for the PEARs National VHF/UHF contest this year will be to inspire VHF contacts between the divisions in the RSA and promote VHF activity. We wish to appeal to all the Radio Clubs in the RSA to encourage field and base stations in their area for this VHF contest and make it successful. This can also result in a special competition between Club stations countrywide.

The main long distance contest frequencies are on 50,200 MHz SSB and 144,200 MHz SSB. In recent contests, strong local stations and long conversations have drowned out weaker distant stations. To avoid this problem in the future, VHF stations are kindly requested to work all local stations, which are within 100 km from them, on the FM contest channels of 50,400 MHz and 144,400 MHz where they can compare notes and have short chats. If the SSB contest frequency is occupied then QSY 5 or 10 kHz higher in frequency. Wishing you good luck and help to make it a real national VHF contest.

## RSGB Commonwealth Century Club Jubilee Award 2012

2012 is the Queen's Diamond Jubilee and mindful that the Queen is the head of the Commonwealth of Nations we are pleased to announce a new operating award for 2012.

To qualify for an attractive certificate all you need to do is to work as many different countries and call areas on the Commonwealth Century Club list during 2012. Certificates will be awarded for working 60 and 100 different call areas. Use any mode or bands you like and QSL cards are not required. Score sheets and full details can be downloaded from [www.beru.org.uk/CCCaward/CCCindex.html](http://www.beru.org.uk/CCCaward/CCCindex.html)

## ARRL Diamond DXCC Challenge

Revised 30 December 2011. All 231 entities are now included on the list. Please see the revised entity list.

2012 is the 75<sup>th</sup> anniversary of the ARRL's DXCC Award. The world's preeminent DXing award continues to be DXCC, so reaching the "Diamond milestone" is an event that we all want to celebrate. Going back to the roots of the award and specifically reading the 1937 DXCC List, January 1937 QST pages 52/53; to learn what countries were counted at the onset led us to create the Diamond DXCC Challenge.

[www.arrl.org/files/file/Diamond%20DXCC/QST\\_Jan\\_1937\\_p52-53.pdf](http://www.arrl.org/files/file/Diamond%20DXCC/QST_Jan_1937_p52-53.pdf)





The country list we will use for the Diamond DXCC Challenge [www.arrl.org/diamond-dxcc](http://www.arrl.org/diamond-dxcc) is based upon the list of 231 places shown in 1937. We tried to find corresponding entities today that would represent the places listed in 1937, and we were mostly successful. There are a couple of places that were merged, like French and British New Hebrides, and the Papua and New Guinea Territories. In those places, for 2012 if you work an YJ or a P29 (on the main island of New Guinea) you will get credit for working two entities! Many other oddities are sprinkled throughout the list, too. Returning to the air in 2012 will be the Canal Zone (any HP operating within 8 kilometres of the Panama Canal), the Cities of Gdansk, Poland, and Ifni, Morocco and Balochistan.

The list is fascinating and leads us to learn more about world history and how geopolitics has changed leading up to today.

As you "check off" these entities during the course of 2012 working DX (which is an achievement even today), using spotting networks, pan-adapters, 200 watt rigs and stacked tri-banders, imagine how DXing was different in the early years of radio and DXCC! Working Tibet or Aldabra with 50 watts and crystal-controlled transmitters to simple wire antennas had to be a thrill like no other in that time for ham radio operators.

We anticipate that this award will be very popular thanks to the unique nature of the entities that we will try to put into the log in 2012. Not only are there traditional DXCC entities, but there are cities, Islands on the Air (IOTA by RSGB) island groups, and various sub-political entities inside DXCC entities, such as the Indian State of Goa, and many States in Malaysia and islands in Indonesia. There are even three individual "countries" that make up today's Yemen (7O - Yemen, Socotra Islands and the City of Aden)! Yes, we would like to have even one of them on the air. An interesting factoid about this 1937 list came via the late Jim Maxwell, W6CF. Jim said the only entity from the 1937 list to be removed without a single QSO being made was Wrangel Island.

For some entities that today consist of multiple countries, you may work any of today's entities to qualify for that single 1937 country. For example, French Equatorial Africa will be considered worked if you log a station in TL, TN, TR or TT in 2012. The Diamond DXCC country tables show the current entity names and prefixes that qualify for the 1937 countries.

The Diamond DXCC Challenge is an "Honour Award" and will not require acquisition or inspection of QSLs or proof of confirmation, although it still will be fun and useful to seek out cards or LoTW confirmations. We will provide forms online to use at your operating position to track what you have worked and forms for applying for awards and endorsements. As the year goes on, we will also provide hints and tips about what is happening with the Diamond DXCC Award and, for instance, who might be on the air from Goa or Gdansk!

The Diamond DXCC certificate will be available for working 100 of the 226 entities, and will be endorsable at 5 levels: 125, 150, 175, 200, and 225. If anyone works all 226, there will be a special award for that remarkable achievement! There will also be awards for the top finishers. We hope to publish award recipients' call signs online during the year, and identify high numbers.

There will be a Diamond DXCC Challenge Honour Roll. The Honour Roll level will be determined by the leader in worked entities submitted to HQ, and the bottom of the Honour Roll will be 9 entities less than that of the leader. Example: If W1AW has worked 165 entities, the

#### January 2012

*1 New Years Day; start of the 2012 CQ Marathon; start of the ARRL Diamond DXCC Challenge; start of UBA International Prefix Hunt 2012; start of the IOTA 50th Anniversary Marathon*  
*2 Public Holiday*  
*11 Coastal schools open*  
*18 Inland schools open*  
*20 – 22 PEARS National VHF/UHF Contest*  
*25 SARL 80 metre Club Contest*  
*28 Summer QRP Contest*





bottom of the Honour Roll will be 156 entities. In February 2013, HQ will issue a final Honour Roll tally with overall leaders.

The entity list is not frozen, so if we discover something significantly in need of change, we will do so and make an announcement.

#### ARRL Diamond DXCC Challenge Rules

1. The Diamond DXCC Challenge Awards are available to all amateurs worldwide who contact a minimum of 100 countries from the Diamond DXCC List. US amateurs must be members of the ARRL. Generally, the rules for the Diamond DXCC Challenge are the same as the rules for the DXCC Program, except as listed here.
2. Contacts must be made from within the same DXCC entity by the same operator.
3. Contacts must be made during 2012 - from 00:00 UTC on 1 January 2012 to 23:59 UTC on 31 December 2012. All amateur bands may be used except for 60 metres.
4. There are no mode endorsements or band endorsements. The Diamond DXCC Challenge is considered to be a Mixed-Mode/Mixed-Band award. There are no power categories or restrictions for the award.
5. Confirmations are not required to obtain this award, but HQ will review submitted entries for accuracy and validity.
6. The Diamond DXCC Challenge certificate will be available for working 100 entities and will be endorsable with stickers at the following levels: 125, 150, 175, 200 and 225.
7. Applications should use ARRL-supplied forms available online or obtained by writing DXCC, 225 Main St, Newington, CT 06111.
8. The Diamond DXCC Award certificate fee is \$12 including shipping within the USA, and \$13 including shipping outside the USA.
9. Endorsement stickers are \$1, including shipping in the US, and \$2 outside the US.

Thanks to W3LPL, IK2UVR, YO3JW and K9JF for their assistance with this project.

#### CQ DX Marathon

Each year CQ Magazine sponsors a challenge to work as many countries and zones as possible in the calendar year. The 2011 edition of the CQ Magazine DX Marathon ends on 31 December, and logs are due no later than 31 January 2012. See the DX Marathon website for complete details, [www.dxmarathon.com](http://www.dxmarathon.com). In addition, a new Yahoo Group has been created to help share information and answer questions regarding the Marathon. Once signed into Yahoo Groups, search for 'DXMarathon'.

#### DXCC News

E44PM (Palestine, 2011 operation) and 5N6/YL2SW (Nigeria) have been approved for DXCC credit. The latter had been on hold pending a review of the status of the location (in accordance with DXCC rule 8 regarding it being "land-based"). If you had credit for 5N6/YL2SW rejected in the past, send a note to [bmoore@arrl.org](mailto:bmoore@arrl.org) to have your record updated. You can see the results when the change has been done to your record by checking your LoTW account or, the DXCC daily numbers.

#### Most Wanted Survey

The DX Magazine's annual Most Wanted Survey was conducted in September - October 2011. The top 20 DXCC Entities are:

1. P5 North Korea
2. KP1 Navassa Island





3. 3Y Bouvet Island
4. VK0 Heard Island
5. 7O Yemen
6. FT5Z Amsterdam & St. Paul Islands
7. FT5W Crozet Islands
8. BS7H Scarborough Reef
9. VP8 South Sandwich Islands
10. ZS8 Marion Island
11. VK0 Macquarie Island
12. HK0 Malpelo Island
13. FT5T Tromelin Island
14. SV/A Mount Athos
15. ZL9 Auckland & Campbell Islands
16. PY0S St. Peter & Paul Rocks
17. KH5 Palmyra & Jarvis Islands
18. KH5K Kingman Reef
19. KH9 Wake Island
20. FT5J/E Juan de Nova Island, Europa Island

The 100 Most Wanted listing, with the results of the 2010 survey for comparison, is expected to be posted to [www.dxpub.com/dx\\_news.html](http://www.dxpub.com/dx_news.html) around 15 January. The complete breakdown by continent is available in the January/February 2011 issue of "The DX Magazine"; a breakdown by mode will be published in the March/April issue.

### 43 years of 73 Magazine on web

PDF's of all issues of the popular Amateur Radio publication, 73 Magazine, produced by Wayne Green, W2NSD, from 1960 - 2003 are available for download. Wayne was always into the latest ground breaking Amateur Radio technology and his magazine reflected that with articles on RTTY, ATV, SSTV, FM Repeaters and Amateur radio satellites.

A popular part of the magazine was Wayne Green, W2NSD's 'Never Say Die' column. In it, he gave his views on just about everything. Among Wayne's favourite topics over the years were:

- The failure of the ARRL to prepare for the 1971 World Administrative Radio Conference which resulted the loss of hundred of MHz of amateur satellite frequencies
- The disaster of incentive licensing
- The FCC restrictions on repeaters
- The Internal Revenue Service (IRS)

All the 73 Magazine PDF's can be downloaded from <http://tinyurl.com/73Magazine>

Wayne is now 89 (DoB believed to be 3 September 1922) and still going strong, you can read his blog at <http://www.waynegrn.com/wayne/news.html>

Wayne Green W2NSD - 'Technical Visionary' [http://www.southgatearc.org/news/october2008/wayne\\_green\\_w2nsd.htm](http://www.southgatearc.org/news/october2008/wayne_green_w2nsd.htm)

### Dot-dash-diss: The gentleman hacker's 1903 lulz

*A century ago, one of the world's first hackers used Morse code insults to disrupt a public demo of Marconi's wireless telegraph.*

Late one June afternoon in 1903 a hush fell across an expectant audience in the Royal Institution's celebrated lecture theatre in London.







Before the crowd, the physicist John Ambrose Fleming was adjusting arcane apparatus as he prepared to demonstrate an emerging technological wonder: a long-range wireless communication system developed by his boss, the Italian radio pioneer Guglielmo Marconi.

The aim was to showcase publicly for the first time that Morse code messages could be sent wirelessly over long distances. Around 300 miles away, Marconi was preparing to send a signal to London from a clifftop station in Poldhu, Cornwall, UK.

Yet before the demonstration could begin, the apparatus in the lecture theatre began to tap out a message. At first, it spelled out just one word repeated repeatedly. Then it changed into a facetious poem accusing Marconi of "diddling the public." Their demonstration had been hacked - and this was more than 100 years before the mischief playing out on the internet today. Who was the Royal Institution hacker? How did the cheeky messages get there? In addition, why? Read the full New Scientist article - Dot-dash-diss: The gentleman hacker's 1903 lulz <http://www.newscientist.com/article/mg21228440.700-dotdashdiss-the-gentleman-hackers-1903-lulz.html?full=true>

## Reorganization

After four years of cooperation, Vertex Standard Co. Ltd., transfers the division Land Mobile Radio (LMR) to Motorola and they return to the old name YAESU MUSEN. See also <http://tinyurl.com/YaesuMusen2011227>

## African DX

Swaziland, 3DA. Operators Phil, G3SWH, and John, G3OLU, (also EA5ARC) will be active as 3DAOPW from the Hawane Resort in western Swaziland between 21 and 29 February. The Hawane Resort has a well equipped station with Elecraft K3 transceivers, ICOM IC2KL amplifiers, an A4S at 24 m and an A3WS at 20 m, a wire 4 square for 40 m and a vertical for 80 m complete with 30 x 20 m long radials. Activity will be on CW only on all bands 80 - 10 metres. There will be no 160, 6 metres or EME activity. Propagation permitting, they plan to have two stations on the air for as many hours every day as is possible. Their main objective is to work as many European, North American and ROTW stations on as many different bands as possible and plan to make at least 15 000 QSOs.

QSL via G3SWH, either via the OQRS facility on Phil's web site, [www.g3swh.org.uk](http://www.g3swh.org.uk) (preferred), direct with SAE and adequate return postage, or via the Bureau. Subject to a good Internet connection, there will be an on-line log on Phil's web site and daily uploads to LoTW. The 3DAOPW Web site is now up and running at [www.g3swh.org.uk/3daOpw.html](http://www.g3swh.org.uk/3daOpw.html)

Tanzania, 5H. Maurizio, IK2GZU, will once again return to the "Mission Ilembula" to do some work at the new hospital and orphanage between 4 March and 4 April. He plans to be active during his spare time as 5H3MB on the HF bands. Maurizio will use his FT-100 and the mission's TS-850 into a tri-band 3 element beam (20, 15 and 10 m) fixed on Europe and a vertical or dipole for the other bands. QSL via IK2GZU, direct or by the Bureau. Also, LoTW (after his return home).

Congo, TN. Look for six operators to be active as TN2T from the Republic of the Congo between 22 and 31 January. Using three stations, the DXpedition will be active on 160 - 10 metres using CW, SSB and RTTY. Their suggested frequencies are available on the TN2T Web page, as well as a "most wanted" band survey. Operators mentioned are Patrick, ON4HIL/OT2A, Marc, ON6CC/OR3A, Luc, ON4IA/OR2M, Ronald, PA3EWP, Carlo, ON4BR/OO4T and Stefaan,





ON4FG/OP4T. QSL Manager is MOURX. More details and updates are available on the TN2T Web page at <http://www.tn2t.be>

9J2CA QSL Manager. Phil, G3SWH, reports, "I've just resumed QSL Managership for James, 9J2CA, in Lusaka, Zambia. James is mainly active on the digital modes with the occasional foray onto CW. QSL direct only. There is an on-line log search at [www.g3swh.org.uk/9j2ca.html](http://www.g3swh.org.uk/9j2ca.html)

## African Islands

Rodrigues Island, 3B9. Eric, OE4AAC, will be active as 3B9/OE4AAC from Rodrigues Island (AF-017) between 14 and 21 February. Activity will be on 40 - 10 metres CW. QSL via OE4AAC.

## Special Events

Croatia, 9A20. Look for several Croatian stations to use the "9A20" prefix from now until 31 December. Activity is to celebrate the 20<sup>th</sup> anniversary of the 9A prefix for Croatia. Details for a special "9A 20" award are available at <http://www.hamradio.hr>

Germany. The city of Bad Honnef celebrates 150 years of city rights in 2012. The special event station DL150BH will be active in all modes on all bands from 1 January until 31 December. The special DOK BAH0150 is handed out also by the club station DLOAD. QSLs via bureau.

Philippines. The Philippine Amateur Radio League (PARL) is celebrating its 50<sup>th</sup> anniversary and will activate the special event station 4GOLD in 2012. There is a commemorative diploma at least 12 QSOs with PARL members. See <http://www.dx1l.dxhams.net/events.htm>. QSL via bureau.

## Contest Calendar

*This week's contests compiled by Bruce Horn, WA7BNM. The period covered is 2 to 9 January 2012.*

ARS Spartan Sprint  
02:00 - 04:00 UTC 3 January  
Mode: CW  
Bands: 80, 40, 20, 15, 10 m  
Classes: Skinny; Tubby  
Max power: 5 watts  
Exchange: RST, state, province or country and Power  
Work stations: Once per band  
Submit logs by: 5 January 2012  
E-mail logs to: [spartansprint@yahoo.com](mailto:spartansprint@yahoo.com)  
Mail logs to: (none)  
Find rules at:  
[http://adventure-ra-dio.org/wiki/index.php?title=Spartan\\_Sprint\\_Rules](http://adventure-ra-dio.org/wiki/index.php?title=Spartan_Sprint_Rules)

QRP Fox Hunt  
02:00 - 03:30 UTC 4 January  
Mode: CW  
Bands: 80 m Only  
Classes: Single Op - Fox or Hound  
Max power: 5 watts  
Exchange: RST, state, province or country, name and power output  
QSO Points: 1 point per QSO  
Multipliers: (none)  
Score Calculation: Total score = total QSO points  
Submit logs by: 03:30 UTC 5 January 2012  
E-mail logs to: (see rules)  
Mail logs to: (none)  
Find rules at:  
[http://www.qrpfoxhunt.org/winter\\_rules.htm](http://www.qrpfoxhunt.org/winter_rules.htm)





#### QRP Fox Hunt

02:00 - 03:30 UTC 6 January

Mode: CW

Bands: 40 m Only

Classes: Single Op - Fox or Hound

Max power: 5 watts

Exchange: RST, state, province or country, name and power output

QSO Points: 1 point per QSO

Multipliers: (none)

Score Calculation: Total score = total QSO points

Submit logs by: 03:30 UTC 7 January 2012

E-mail logs to: (see rules)

Mail logs to: (none)

Find rules at:

[http://www.qrpfoxhunt.org/winter\\_rules.htm](http://www.qrpfoxhunt.org/winter_rules.htm)

#### NCCC Sprint Ladder

02:30 - 03:00 UTC 6 January

Mode: CW

Bands: 160, 80, 40, 20, 15 m

Classes: Single Op

Max power: 100 watts

Exchange: (see rules)

Work stations: Once per band

QSO Points: NA station: 1 point per QSO; non-NA station: 1 point per QSO with an NA station

Multipliers: Each US state (including KL7 and KH6) once per band; Each VE province once per band; Each North American country (except W/VE) once per band

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 8 January 2012

E-mail logs to: (none)

Post log summary at:

<http://www.hornucopia.com/3830score/>

Mail logs to: (none)

Find rules at:

<http://www.ncccsprint.com/rules.html>

#### PODXS 070 Club PSKFest

00:00 - 24:00 UTC 7 January

Mode: PSK31

Bands: 80, 40, 20, 15, 10 m

Classes: QRP Single Band; QRP Multiband;

Low Power; Medium Power

Max operating hours: 24 hours

Max power: Medium Power: 100 watts; Low

Power: 50 watts; QRP: 5 watts

Exchange: RST and state, province or country

Work stations: Once per band

QSO Points: 1 point per QSO

Multipliers: States, provinces and countries, once

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 21 January 2012

E-mail logs to: [jbudzowski@verizon.net](mailto:jbudzowski@verizon.net)

Mail logs to: Jay Budzowski, 070 Club PSKFest, 109 S. Northview Ave., New Castle, PA 16102-1633, USA

Find rules at:

<http://www.podxs070.com/pskfest>

#### Original QRP Contest

15:00 UTC 7 January to 15:00 UTC 8 January

Mode: CW

Bands: 80, 40, 20 m

Classes: Single Op - VLP, QRP or MP - Hand-made or Open

Max operating hours: 15 hours

Max power: VLP: 1 W; QRP: 5 W; MP: 20 W

Exchange: RST, serial no"/" and power category

QSO Points: QSO with station who submits log: 4 points; QSO with station that does not submit log: 1 point; 15% bonus for use of TR/TRX assembled from kit; 30% bonus for use of unique handmade TR/TRX

Multipliers: DXCC Countries: 2 mult points if station submits log, 1 mult point if no log

Score Calculation: Total score = total QSO points x total mult points

Submit logs by: 31 January 2012

E-mail logs to: [ogrpc@grpcc.de](mailto:ogrpc@grpcc.de)

Mail logs to: Lutz Gutheil, DL1RNN, Bergstrasse 17, D-38446 Wolfsburg, Germany

Find rules at:

<http://www.grpcc.de/contestrules/ogrp.html>

#### QRP ARCI Pet Rock Celebration

15:00 - 18:00 UTC 7 January

Mode: CW

Bands: 80, 40, 20, 15, 10 m





Classes: All Band; Single Band; High Bands; Low Bands

Exchange: RST, state, province or country and ARCI number or power

Work stations: Once per band

QSO Points: 5 points per QSO with ARCI member; 4 points per non-member QSO with different continent; 2 points per non-member QSO with same continent

Bonus points: 5 000 for battery power portable with temporary antenna; 2 000 per band for rockbound receiver; 3 000 per band for rockbound transmitter

Multipliers: Each state, province, country once per band

Power Mult:  $>5\text{ W} = \times 1$ ,  $1 - 5\text{ W} = \times 7$ ,  $500\text{ mW} - 1\text{ W} = \times 10$ ,  $200 - 500\text{ mW} = \times 15$ ,  $55 - 200\text{ mW} = \times 20$ ,  $<55\text{ mW} = \times 25$

Score Calculation: Total score = (total QSO points  $\times$  (state mults and province mults and country mults)  $\times$  power mult) and bonus points

Submit logs by: 22 January 2012

E-mail logs to: [contest@qrparci.org](mailto:contest@qrparci.org)

Mail logs to: ARCI Pet Rock Celebration, c/o Jim Rodenkirch, K9JWV, 762 Saint James Lane, Saint George, UT 84790, USA

Find rules at:

<http://www.qrparci.org/content/view/8390/118/>

ARRL RTTY Roundup

18:00 UTC 7 January to 24:00 UTC 8 January

Mode: RTTY, Digital

Bands: 80, 40, 20, 15, 10 m

Classes: Single Op Low or High

Multi-Single Low or High

Max operating hours: 24 hours

Max power: HP: 1500 watts

LP: 150 watts

Exchange: W/VE: RST and state or province; non-W/VE: RST and serial no

Work stations: Once per band

QSO Points: 1 point per QSO

Multipliers: Each US state (except KH6/KL7) once only; Each VE province/territory once only; Each DXCC country (including KH6/KL7) once only

Score Calculation: Total score = total QSO points  $\times$  total mults

Submit logs by: 23:59 UTC 7 February 2012

E-mail logs to: [RTTYRU@arrl.org](mailto:RTTYRU@arrl.org)

Mail logs to: RTTY Roundup, ARRL, 225 Main St., Newington, CT 06111, USA

Find rules at:

<http://www.arrl.org/rtty-roundup>

EUCW 160 m Contest

20:00 - 23:00 UTC 7 January and 04:00 - 07:00 UTC 8 January

Mode: CW

Bands: 160 m Only

Classes: A: 150 W or more, member of affiliated club; B: 5 - 150 W, member of affiliated club; C: 5 W or less, member of affiliated club; D: Other stations, no power limitations; E: SWL

Exchange: Affiliated Club Member: RST, name, club and membership no; Other: RST, name and "NM"

Work stations: Once per day

QSO Points: QSO with station in same DXCC country: 1 point; QSO with station in different DXCC country, but same continent: 2 points; QSO with station in different continent: 5 points; QSO with official EUCW club station: 10 points

Multipliers: EUCW clubs, once per day

Score Calculation: Total score = total QSO points  $\times$  total mults

Submit logs by: 7 February 2012

E-mail logs to: [f6cel@wanadoo.fr](mailto:f6cel@wanadoo.fr)

Mail logs to: Ghislain Barbason, 5 rue de l'Ecluse, F-02190 Pignicourt, France

Find rules at:

<http://www.agcw.de/eucw/eu160.html>

SKCC Weekend Sprint:

00:00 - 24:00 UTC 8 January

Mode: CW

Bands: 160, 80, 40, 20, 15, 10, 6 m

Classes: (none)

Exchange: RST, name, state, province or country and SKCC no or "NONE"

Work stations: Once per band

QSO Points: 1 point per QSO

Bonus Points: (see rules)

Multipliers: Each state, province or country once







Score Calculation: Total score = (total QSO points x total mults) and bonus points

Submit logs by: 15 January 2012

Post log summary at:

<http://wes.m0trn.com/submission.php>

Mail logs to: (none)

Find rules at:

<http://www.skccgroup.com/sprint/wes/index-wes.php>

#### DARC 10-Meter Contest

09:00 - 10:59 UTC 8 January

Mode: CW, SSB

Bands: 10 m Only

Classes: DL Single Op CW - Low or High; DL Single Op Mixed - Low or High; non-DL Single Op CW; non-DL Single Op Mixed

Max power: HP: >100 W; LP: 100 W

Exchange: DL: RS(T), QSO no and DOK; non-DL: RS(T) and QSO no

Work stations: Once only

QSO Points: 1 point per QSO

Multipliers: Each WAE/DXCC country once; Each DOK once

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 23 January 2012

E-mail logs to: [10m@dxhf.darc.de](mailto:10m@dxhf.darc.de)

Mail logs to: (none)

Find rules at:

<http://www.darc.de/referate/dx/contest/10m/en/rules/>

#### Midwinter Contest

10:00 - 14:00 UTC 8 January

Mode: CW, SSB

Bands: 80, 40, 20, 15, 10 m

Classes: Single Op - YL or OM - CW or SSB; Single Op All Mixed; Single Op SWL

Exchange: YLs: RST and serial no beginning with 2001; OM: RST and serial no beginning with 001

Work stations: Once per band per mode

QSO Points: QSO with YL: 5 points; QSO with OM: 3 points; QSO with PI4YLC: 15 points

Multipliers: Each YL station once per band per mode; PI4YLC once per band per mode

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 15 February 2012

E-mail logs to: [PA5YL@veron.nl](mailto:PA5YL@veron.nl)

Mail logs to: PA5YL, Contest Manager Midwinter Contest, Keulenheide 1, 6373 AP Landgraaf, The Netherlands

Find rules at:

[http://midwintercontest.veron.nl/contest\\_mw\\_eng.htm](http://midwintercontest.veron.nl/contest_mw_eng.htm)

#### Kid's Day Contest

18:00 - 23:59 UTC 8 January

Mode: SSB

Bands: 80, 40, 20, 17, 15, 12, 10, 2 m repeaters

Classes: (none)

Exchange: name, age, QTH and favourite colour

Submit logs by: 7 February 2012

E-mail logs to: (none)

Mail logs to: (see rules)

Find rules at: <http://www.arrl.org/kids-day>

#### NAQCC-EU Monthly Sprint

18:00 - 20:00 UTC 9 January

Mode: CW

Bands: 80, 40, 20 m

Classes: Single Op

Max power: 5 watts

Exchange: RST, country and NAQCC no or power

Work stations: Once per band

QSO Points: 1 point per QSO with non-member; 2 points per QSO with member

Multipliers: Each country in Europe; First country in each continent worked other than Europe

Key Type Mult: 2 x if straight key, 1.5 x if bug, 1 x if other

Score Calculation: Total score = total QSO points x total mults x key type mult

Submit logs by: 20:00 UTC 12 January 2012

E-mail logs to: [submitlog@naqcc-eu.org](mailto:submitlog@naqcc-eu.org)

Upload log at:

<http://www.naqcc-eu.org/autologger/>

Mail logs to: M Ireland, MW3YMY, Pen-y-Gadlas, Ffordd Bryniau, Meliden, Prestatyn, Denbighshire LL19 8RD, UK





Find rules at:

<http://naqcc-eu.org/SprintHelp/SprintRules.pdf>

## Next Week's Contests

QRP Fox Hunt, 02:00 - 03:30 UTC 11 January  
CWops Mini-CWT Test, 13:00 - 14:00 UTC and 19:00 - 20:00 UTC 11 January and 03:00 - 04:00 UTC 12 January  
QRP Fox Hunt, 02:00 - 03:30 UTC 13 January  
NCCC Sprint Ladder, 02:30 - 03:00 UTC 13 January  
Hunting Lions in the Air Contest, 00:00 UTC 14 January to 24:00 UTC 15 January  
WW PMC Contest, 12:00 UTC 14 January to 12:00 UTC 15 January  
MI QRP January CW Contest, 12:00 UTC 14 January to 23:59 UTC 15 January  
North American CW QSO Party, 18:00 UTC 14 January to 06:00 UTC 15 January  
NRAU-Baltic CW Contest, 06:30 - 08:30 UTC 15 January  
NRAU-Baltic SSB Contest, 09:00 - 11:00 UTC 15 January  
Run for the Bacon QRP Contest 02:00 - 04:00 UTC 16 January

## History This Week

A look back at events that made history this week - compiled by the Summerland Amateur Radio Club of Lismore, NSW and Dennis, ZS4BS. The week starting Monday 2 January 2012.

1714 - Typewriter patented by Englishman Henry Mill (built years later)  
1838 - Samuel Morse, with Alfred Vail, gave the first demonstration of the electric telegraph at the Speedwell Iron Works in Morristown, NJ  
1839 - French pioneering photographer Louis Daguerre took the first photograph of the moon  
1863 - James Plimpton of New York patents four-wheeled roller skates  
1871 - Oleomargarine was patented by Henry Bradley in Binghamton, NY. A "compound for culinary use" called margarine.  
1889 - Dr Herman Hollerith receives first US patent for a tabulating machine (first Computer)  
1896 - German physicist Wilhelm Roentgen discovers x-rays  
1904 - Thomas Edison's movie crew filmed the electrocution of an elephant  
1904 - Marconi Co established "CQD" as first international radio distress signal  
1919 - Professor Ernest Rutherford succeeded in splitting the atom  
1927 - Commercial telephone service (using radio) began between New York and London  
1936 - The first electron tube to enable night vision was described, in St Louis, Mo  
1944 - First use of helicopters during warfare (British Atlantic patrol)  
1957 - The world's first electric watch was introduced in Lancaster, PA by the Hamilton Watch Company  
1995 - Most distant galaxy yet discovered found by scientists using Keck telescope in Hawaii (estimated 15 billion light years away)

### Birthdays for the week

John Ronald Reuel Tolkien, CBE, born on 3 January 1892 here in Bloemfontein. The Tolkien home was on the corner of Maitland and West Burger streets. His father was the bank manager at Standard Bank on the opposite corner of the streets. JRR Tolkien was the author of the classic high fantasy works The Hobbit, The Lord of the Rings, and The Silmarillion





Items used with acknowledgement to The ARRL Letter, Amateur Radio Newsline, OPDX Bulletin, 425 DX Bulletin, DXNL Bulletin, ARRL DX News, WIA-News, the RSGB News, Southgate ARC and Pete's DX Newsdesk.

Newsletter editors are most welcome to use material from HF Happenings, just remember to acknowledge the source (which could be any one of the names mentioned above). HF Happenings can be provided in MS Word format.

### SARL News

Time (UTC / CAT)	Freq (kHz)		Target Area	Language
06:15 / 08:15 *	7 066 / 7 098	From Pretoria /	Southern Africa	Afrikaans
06:30 / 08:30 *	7 066 / 7 098	Port Elizabeth	Southern Africa	English
Various 2 metre and 70 cm repeaters and Echolink country wide				

### Amateur Radio Today

Time (UTC / CAT)	Freq (kHz)		Target Area	Language
08:00 - 09:00 /	7 082	From Durban	Southern Africa	English
10:00 - 11:00 *	Various 2 metre and 70 cm repeaters and Echolink country wide			

### Amateur Radio Today shortwave broadcast information.

Time (UTC / CAT)	Freq (kHz)	Tx kW	Target Area	Language
08:00 - 09:00 /	7 205	100	Southern Africa	English
10:00 - 11:00 *	17 760	250	East Africa	English
17:30 - 18:30 /	4 895	100	Southern Africa	English
19:30 - 20:30 **				
* Sunday ** Monday				

### Amateurradio in Aksie

Dorp	Frekwensie	Tyd en dekking
Bloemfontein	145,600 MHz	Maandagaande 20:30 vanaf die Naval Hill herhaler
Kaap	145,700 MHz	Maandagaande 20:30 in die Boland
Pretoria	145,750 MHz	Woensdagaand net na die ZS6MRK bulletin
Pretoria HF	3 680 kHz	Woensdagaand net na die ZS6MRK bulletin
Rustenburg	145,500 MHz	Maandagaande 20:30
Sasolburg	145,600 MHz	Maandagaande 20:00 dekking in die hele Vaaldriehoek

